

QPD2-70-2700-K1

2-Way, 0.07~2.7GHz

Features:

- * Small Size
- * Low Insertion Loss

Applications:

- * Amplifiers
- * Mixers
- * Antennas
- * Laboratory Test



Electrical

Frequency:	0.07~2.7GHz
Insertion Loss*1:	1.5dB max.
Input VSWR:	1.45 max.@70~100MHz 1.3 max.@100~2700MHz
Output VSWR:	1.2 max.
Isolation:	15dB min. @70~100MHz 20dB min. @100~2700MHz
Amplitude Balance:	±0.2dB typ.
Phase Balance:	±3° typ.
Impedance:	50Ω
Power @SUM Port:	100W max. as divider 5W max. as Combiner

[1] Excluding theoretical loss 3dB.

Mechanical

Connectors:	SMA Female N Female TNC Female
Mounting:	4-Φ3.2mm through-hole

Environmental

Operating Temperature:	-45~+85°C
Non-operating Temperature:	-55~+125°C

How To Order

QPD2-70-2700-K1-Y

Y: Connector type

Connector naming rules:

S - SMA Female (Outline A)

N - N Female (Outline B)

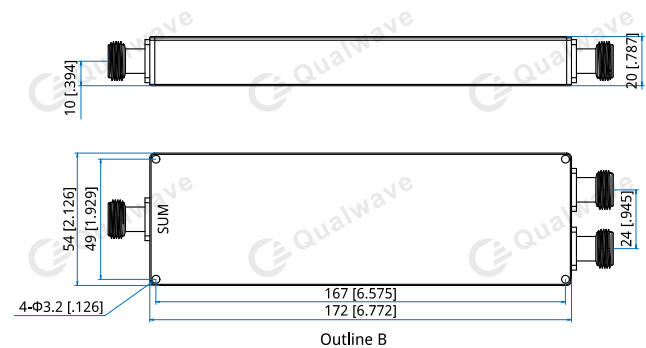
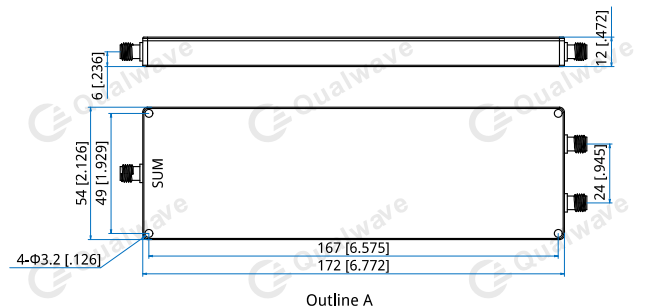
T - TNC Female (Outline B)

Examples:

To order a 2-way power divider, 0.07~2.7GHz, 100W, N female, specify QPD2-70-2700-K1-N.

Customization is available upon request.

Outline Drawings



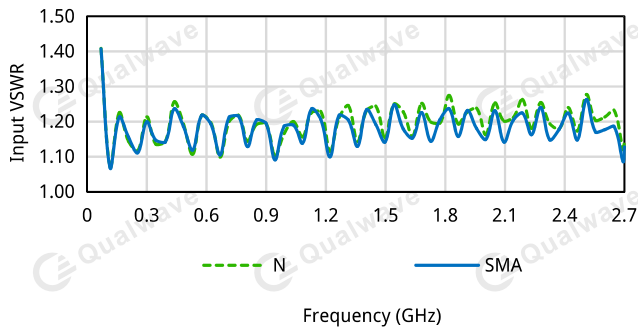
Unit: mm [in]

Tolerance: $\pm 0.5\text{mm}$ [$\pm 0.02\text{in}$]

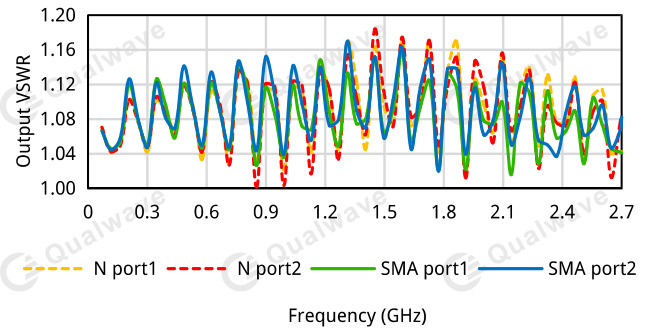
2-Way Power Divider/Combiner

Typical Performance Curves

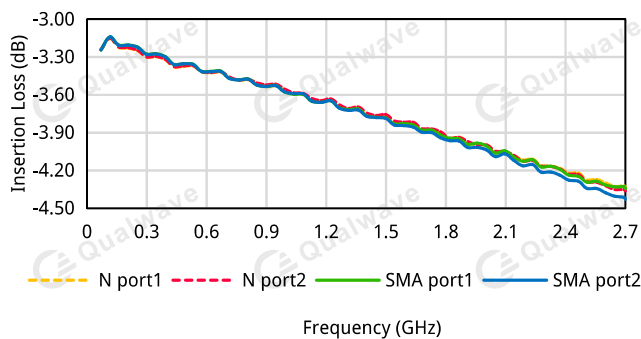
Input VSWR vs. Frequency



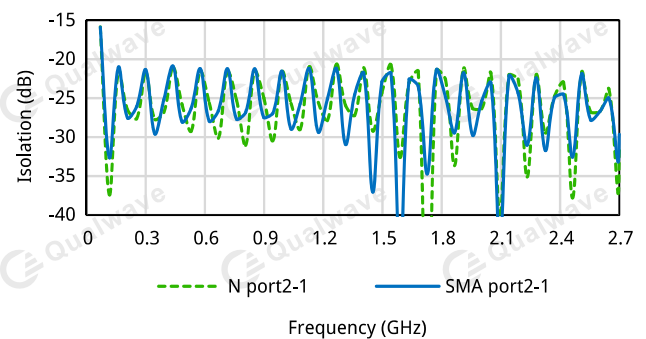
Output VSWR vs. Frequency



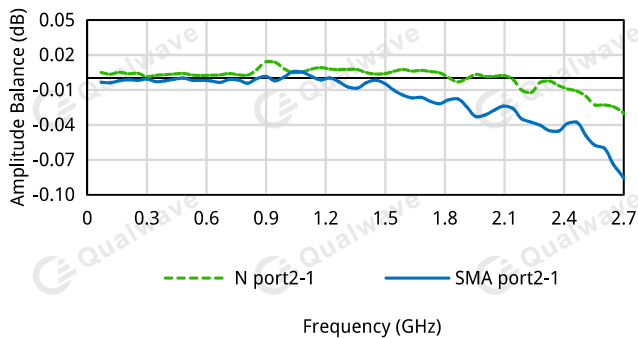
Insertion Loss vs. Frequency



Isolation vs. Frequency



Amplitude Balance vs. Frequency



Phase Balance vs. Frequency

